Virginia Title V Operating Permit

Until such time as this permit is reopened and revised, modified, revoked, terminated or expires, the permittee is authorized to operate in accordance with the terms and conditions contained herein. This permit is issued under the authority of Title 10.1, Chapter 13, §10.1-1322 of the Air Pollution Control Law of Virginia. This permit is issued consistent with the Administrative Process Act, and 9 VAC 5-80-50 through 9 VAC 5-80-300 of the State Air Pollution Control Board Regulations for the Control and Abatement of Air Pollution of the Commonwealth of Virginia.

Authorization to operate a Stationary Source of Air Pollution as described in this permit is hereby granted to:

Permittee Name:	Norfolk Shipbuilding & Drydock Corporation
Facility Name:	Norshipco
Facility Location:	750 West Berkley Avenue Norfolk, Virginia 23501-2100
Registration Number:	60246
Permit Number:	VA-60246

September 6, 2002
Effective Date

September 6, 2007
Expiration Date

Robert G. Burnley
Director, Department of Environmental Quality

September 6, 2002
Signature Date

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I. Facility Information

Permittee
Norfolk Shipbuilding & Drydock Corporation
750 West Berkley Avenue
Norfolk, Virginia 23523

Responsible Official
Bradley L. Moyer
Vice President of Procurement and Subcontracts

Facility
Norshipco
750 West Berkley Avenue
Norfolk, Virginia 23523

Contact Person
Steven R. Bulleigh
Environmental Engineer
(757) 494-4338

AIRS Identification Number: 51-710-00006

Facility Description: SIC Code 3731 - Shipbuilding and Repair. This facility provides comprehensive services for the repair and maintenance of marine vessels and their subsystems.

II. Emission Units

Equipment to be operated consists of:

Emission Unit Id.	Stack Id.	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	Pollutant Controlled	Applicable Permit Date
003	2	Keeler Residual No. 6 Oil Mixed with Slop Oil Boiler	32 million Btu/hr			
007-A	6	Stone Johnson No. 1 or 2 Fuel Oil Boiler	20 million Btu/hr			October 16, 1997
007-B	6	Stone Johnson Natural Gas Boiler	20 million Btu/hr			October 16, 1997
008	10	York Shipley No. 1 or 2 Fuel Oil Boiler	12 million Btu/hr			December 16, 1981
009	7	Stone Johnson Natural Gas Boiler	31.5 million Btu/hr			May 7, 2001
009	7	Stone Johnson No. 1 or 2 Fuel Oil Boiler	31.5 million Btu/hr			May 7, 2001
010	8	Cleaver Brooks No. 1 or 2 Fuel Oil Boiler	33.4 million Btu/hr			January 6, 2000
010	8	Cleaver Brooks Natural Gas Boiler	33.4 million Btu/hr			January 6, 2000
071	16	No. 1 or 2 Fuel Oil Heat Treat Furnace	1.5 million Btu/hr			
072	17	No. 1 or 2 Fuel Oil Heat Treat Furnace	1.5 million Btu/hr			
073	18	No. 1 or 2 Fuel Oil Heat Treat Furnace	1.5 million Btu/hr			
074	19	No. 1 or 2 Fuel Oil Heat Treat Furnace	1.5 million Btu/hr			

075	20	No. 1 or 2 Fuel Oil Annealing Oven	1.5 million Btu/hr			
076	21	No. 1 or 2 Fuel Oil Annealing Oven	1.5 million Btu/hr			
T32	---	Gasoline Aboveground Storage Tank	3,000 gallons			
006	5	Painting (surface coating using airless sprayers; Draco, Binks or equivalent)				
020	---	Abrasive Blasting				
021	9	Chrome Plating (hard chrome plating)		Packed Bed Scrubber / Composite Mesh Pad System	Cr6+	November 7, 1990
022	11	Carpenter Shop (sawmill and woodworking)		Cyclone	PM, PM10	
024	13	Shot Blast Cabinet (paint shop)	200 lb steel shot per hour	Baghouse	PM, PM10	
026	15	Shot Blast Cabinet (inside machine shop)	200 lb steel shot per hour	Baghouse	PM, PM10	

*The Size/Rated capacity is provided for informational purposes only, and is not an applicable requirement.

III. Fuel Burning Equipment Requirements

This section of the permit applies to Emission Unit 003.

A. Limitations

1. Emissions from the boiler (Emission Unit 003) shall not exceed the following limits:

   Particulate Emissions from Emission Unit 003 12.8 lbs/hr

   The emission ratio in lbs/million Btu input shall be determined by the following equation: $E = 1.0906H^{-0.2594}$, where H is the total capacity in millions of Btu/hr. The emission rate in lbs/hr shall be the product of the emission unit rated capacity and the emission ratio
   (9 VAC 5-40-900 A, 9 VAC 5-40-900 B, and 9 VAC 5-80-110)

2. Emissions from the fuel burning equipment installation (Emission Unit 003) shall not exceed the following limit:

   Sulfur Dioxide Emissions 84.5 lbs/hr

   The emission rate in lbs/hr shall be determined by the following equation: $S = 2.64K$, where S = allowable emission of sulfur dioxide expressed in pounds per hour, and K = heat input at total capacity expressed in million Btu per hour.
   (9 VAC 5-40-930 A and 9 VAC 5-80-110)

3. Visible emissions from the boiler (Emission Unit 003) stack shall not exceed 20 percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 60 percent opacity, as determined by EPA Method 9 (reference 40 CFR 60, Appendix A).
   (9 VAC 5-40-20 A.2, 9 VAC 5-40-940, and 9 VAC 5-80-110)

4. At all times, including periods of startup, shutdown, soot blowing and malfunction, the boilers and any associated air pollution control equipment shall, to the extent practicable, be maintained and operated in a manner consistent with air pollution control practices for minimizing emissions.
   (9 VAC 5-40-20 E and 9 VAC 5-80-110)

B. Recordkeeping

5. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Tidewater Regional Office. These records shall include, but are not limited to:

   a. The type of fuel combusted in the boiler (Emission Unit 003);

   b. Records of visual evaluations, visible emissions evaluations and any corrective action taken;

   c. DEQ-approved, pollutant-specific emission factors and equations used to show compliance with the emission limits contained in Section III.A. of this permit.

   These records shall be available at the facility for inspection by the DEQ and shall be current for the most recent five (5) years.
   (9 VAC 5-80-110)

IV. Emission Unit 007, Stone Johnson 20 Million Btu/hr Boiler

A. Limitations

1. The Stone Johnson boiler (Emission Unit 007) shall consume no more than 150 million cubic feet of natural gas, and 720,000 gallons of distillate oil per year, each calculated monthly as the sum of each consecutive 12 month period.
(9 VAC 5-80-110 and Condition 3 of NSR/NSPS permit issued October 16, 1997)

2. Emissions from the operation of the Stone Johnson boiler (Emission Unit 007) shall not exceed the limits specified below:

Particulate Matter	0.3 lbs/hr	1.2 tons/yr
PM10	0.3 lbs/hr	1.2 tons/yr
Sulfur Dioxide	10.3 lbs/hr	25.6 tons/yr
Nitrogen Oxides (as NO_2)	2.9 lbs/hr	17.7 tons/yr
Carbon Monoxide	0.7 lbs/hr	4.4 tons/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers IV.A.1, 3, 4, and 5 of this section.

(9 VAC 5-80-110 and Condition 5 of NSR/NSPS permit issued October 16, 1997)

3. Visible emissions from the Stone Johnson boiler (Emission Unit 007) shall not exceed ten (10) percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed twenty (20) percent opacity, as determined by EPA Method 9. This condition applies at all times except during start-up, shutdown, or malfunction.
(9 VAC 5-80-110 and Condition 6 of NSR/NSPS permit issued October 16, 1997)

4. The approved fuels for the Stone Johnson boiler (Emission Unit 007) are natural gas and distillate oil. Distillate oil is defined as fuel oil the meets the specifications for fuel oil numbers 1 or 2 under the American Society for Testing and Materials, ASTM D396-78 "Standard Specification for Fuel Oils". A change in the fuels may require a permit to modify and operate.
(9 VAC 5-80-110 and Condition 8 of NSR/NSPS permit issued October 16, 1997)

5. The maximum sulfur content of the oil to be burned in the Stone Johnson boiler (Emission Unit 007) shall not exceed 0.5 percent by weight per shipment. The permittee shall obtain a certification from the fuel supplier with each shipment of distillate oil. Each fuel supplier certification shall include the following:

   a. The name of the fuel supplier,

   b. The date on which the oil was received,

   c. The volume of distillate oil delivered in the shipment, and

   d. A statement that the oil complies with the American Society for Testing and Materials specifications for fuel oil numbers 1 and 2.

   (9 VAC 5-80-110, 40 CFR 60.42c(d), 40 CFR 60.48c(f), and Condition 9 of NSR/NSPS permit issued October 16, 1997)

6. Boiler emissions shall be controlled by proper operation and maintenance. Boiler operators shall be trained in the proper operation of all such equipment. Training shall consist of a review and familiarization of the manufacturer's operating instructions, at minimum. The permittee shall maintain records of the required training including a statement of time, place and nature of training provided. The permittee shall have available good written operating procedures and a maintenance schedule for the boiler. These procedures shall be based on the manufacturer's recommendations, at minimum. All records required by this condition shall be kept at the facility and made available for inspection by DEQ.
   (9 VAC 5-80-110 and Condition 10 of NSR/NSPS permit issued October 16, 1997)

7. The opacity standard shall apply at all times except during periods of startup, shutdown and malfunction.
   (9 VAC 5-50-20 A.3. and 9 VAC 5-80-110)

8. At all times, including periods of startup, shutdown, and malfunction, owners shall maintain and operate the boiler in a manner consistent with air pollution control practices for minimizing emissions.
   (9 VAC 5-50-20 E and 9 VAC 5-80-110)

B. Recordkeeping and Reporting

9. The permittee shall submit fuel quality reports to the Director, Tidewater Regional Office within 30 days after the end of each calendar quarter. If no shipments of distillate oil were received during the calendar quarter, the quarterly report shall consist of the dates included in the calendar quarter and a statement that no oil was received during the calendar quarter. If distillate oil was received during the calendar quarter the reports shall include:

    a. The dates included in the calendar quarter,

    b. A copy of all fuel supplier certifications for all shipments of distillate oil received during the calendar quarter or a quarterly summary from each fuel supplier that includes the information specified in Condition A.5 of this section for each shipment of distillate oil, and

    c. A signed statement from the owner or operator of the facility that the fuel supplier certifications represent all of the distillate oil burned or received at the facility.

    (9 VAC 5-80-110, 40 CFR 60.48c(f), and Condition 13 of NSR/NSPS permit issued October 16, 1997)

10. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Tidewater Regional Office. These records shall include, but are not limited to:

    a. The monthly throughput of natural gas, and the daily throughput of distillate oil;

    b. All fuel supplier certifications;

    c. Records of visual evaluations, visible emissions evaluations and any corrective action taken;

    d. DEQ-approved, pollutant-specific emission factors and equations used to show compliance with the emission limits contained in Section IV.A. of this permit;

    e. Boiler operator training records;

    f. Boiler operational maintenance records.

    These records shall be available at the facility for inspection by the DEQ and shall be current for the most recent five (5) years.
    (9 VAC 5-80-110 and Condition 12 of NSR/NSPS permit issued October 16, 1997)

V. Emission Unit 008, York Shipley 12 Million Btu/hr Boiler

A. Limitations

1. The York Shipley boiler (Emission Unit 008) shall consume no more than 72,000 gallons of distillate oil per year, calculated monthly as the sum of each consecutive 12 month period.
(9 VAC 5-80-110 and Condition 2 of NSR permit issued December 16, 1981)

2. The approved fuel for the York Shipley boiler (Emission Unit 008) is distillate oil. Distillate oil is defined as fuel oil that meets the specifications for fuel oil numbers 1 or 2 under the American Society for Testing and Materials. A change in the fuel may require a permit to modify and operate.
(9 VAC 5-80-110 and Condition 5 of NSR permit issued December 16, 1981)

3. Emissions from the operation of the York Shipley boiler (Emission Unit 008) shall not exceed the following limit:

Sulfur Dioxide	6.0 lbs/hr	3.0 tons/yr

   These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these limits may be determined as stated in Condition numbers V.A.1, 2, and 5 of this section.
(9 VAC 5-80-110 and Condition 3 of NSR permit issued December 16, 1981)

4. Emissions from the York Shipley boiler (Emission Unit 008) shall not exceed the following limit:

Particulate Emissions	7.0 lbs/hr

   The emission ratio in lbs/million Btu input shall be determined by the following equation: $E = 1.0906H^{-0.2594}$, where H is the total capacity in millions of Btu/hr. The emission rate in lbs/hr shall be the product of the emission unit rated capacity and the emission ratio.

   These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these limits may be determined as stated in Condition numbers V.A.1, 2, and 5 of this section.
(9 VAC 5-40-900 A, 9 VAC 5-40-900 B, and 9 VAC 5-80-110)

5. Visible emissions from the York Shipley boiler (Emission Unit 008) shall not exceed twenty (20) percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed thirty (30) percent opacity, as determined by EPA Method 9.
(9 VAC 5-50-80 and 9 VAC 5-80-110)

6. The opacity standard shall apply at all times except during startup, shutdown and malfunction.
(9 VAC 5-50-20 A.3 and 9 VAC 5-80-110)

7. At all times, including periods of startup, shutdown, and malfunction, the boiler and any associated air pollution control equipment shall be operated in a manner consistent with air pollution control practices for minimizing emissions.
(9 VAC 5-50-20 E and 9 VAC 5-80-110)

B. Recordkeeping

8. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Tidewater Regional Office. These records shall include, but are not limited to:

   a. The annual throughput of distillate oil, calculated monthly as the sum of each consecutive 12 month period;

   b. Records of visual evaluations, visible emissions evaluations and any corrective action taken;

   c. DEQ-approved, pollutant-specific emission factors and equations used to show compliance with the emission limits contained in Section V.A. of this permit.

   These records shall be available at the facility for inspection by the DEQ and shall be current for the most recent five (5) years.
   (9 VAC 5-80-110)

VI. Emission Unit 009, Stone Johnson 31.5 Million Btu/hr Boiler

A. Limitations

1. The approved fuels for the Johnson boiler are distillate oil and natural gas. A change in the fuel may require a permit to modify and operate.
(9 VAC 5-80-110 and Condition 3 of NSR permit issued May 7, 2001)

2. The Johnson boiler shall consume no more than 330,000 gallons of distillate oil and 275×10^6 cubic feet of natural gas per year, each calculated monthly as the sum of each consecutive 12 month period.
(9 VAC 5-80-110 and Condition 4 of NSR permit issued May 7, 2001)

3. The distillate oil shall meet the specifications below:

   DISTILLATE OIL which meets ASTM specifications for numbers 1 or 2 fuel oil:
   Maximum sulfur content per shipment: 0.5%

   (9 VAC 5-80-110 and Condition 5 of NSR permit issued May 7, 2001)

4. The permittee shall obtain a certification from the fuel supplier with each shipment of distillate oil. Each fuel supplier certification shall include the following:

   a. The name of the fuel supplier;

   b. The date on which the distillate oil was received;

   c. The volume of distillate oil delivered in the shipment; and,

   d. A statement that the distillate oil complies with the American Society for Testing and Materials specifications for numbers 1 or 2 fuel oil.

   (9 VAC 5-80-110 and Condition 6 of NSR permit issued May 7, 2001)

5. Boiler emissions shall be controlled by proper operation and maintenance. Boiler operators shall be trained in the proper operation of all such equipment. Training shall consist of a review and familiarization of the manufacturer's operating instructions, at minimum. The permittee shall maintain records of the required training including a statement of time, place and nature of training provided. The permittee shall have available good written operating procedures and a maintenance schedule for the boiler. These procedures shall be based on the manufacturer's recommendations, at minimum. All records required by this condition shall be kept at the facility and made available for inspection by the DEQ.
(9 VAC 5-80-110 and Condition 7 of NSR permit issued May 7, 2001)

6. Emissions from the operation of the Johnson boiler shall not exceed the limits specified below:

Particulate Matter	0.5 lbs/hr	1.4 tons/yr
PM-10	0.5 lbs/hr	1.2 tons/yr
Sulfur Dioxide	16.2 lbs/hr	11.8 tons/yr
Nitrogen Oxides (as NO_2)	4.6 lbs/hr	17.1 tons/yr
Carbon Monoxide	2.6 lbs/hr	12.4 tons/yr
Volatile Organic Compounds	0.2 lbs/hr	0.8 tons/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers VI.A.2, 3, and 7 of this section.
(9 VAC 5-80-110 and Condition 8 of NSR permit issued May 7, 2001)

7. Visible emissions from the Johnson boiler shall not exceed 20 percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 30 percent opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction.
(9 VAC 5-50-20 A.3., 9 VAC 5-80-110, and Condition 9 of NSR permit issued May 7, 2001)

8. At all times, including periods of startup, shutdown and malfunction, the permittee shall maintain and operate the boiler in a manner consistent with air pollution control practices for minimizing emissions.
(9 VAC 5-50-20 E and 9 VAC 5-80-110)

B. Monitoring

9. The Johnson boiler (Emission Unit 009) shall be constructed so as to allow for emissions testing upon reasonable notice at any time, using appropriate methods. Test ports shall be provided when requested at the boiler stack.
(9 VAC 5-80-110 and Condition 11 of NSR permit issued May 7, 2001)

C. Recordkeeping

10. The permittee shall maintain records of emission data and operating parameters as necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Tidewater Regional Office. These records shall include, but are not limited to:

    a. Annual throughput of natural gas and distillate oil, each calculated monthly as the sum of each consecutive 12-month period.

    b. All fuel supplier certifications.

    c. Records of required boiler operator training, including a statement of time, place and nature of training provided.

    d. Records of visual evaluations, visible emissions evaluations and any corrective action taken.

    e. DEQ-approved, pollutant-specific emission factors and equations used to show compliance with the emission limits contained in Section VI.A. of this permit.

    f. Boiler operator training records.

    g. Boiler operational maintenance records.

    These records shall be available for inspection by the DEQ and shall be current for the most recent five years.
    (9 VAC 5-80-110 and Conditions 7 and 10 of NSR permit issued May 7, 2001)

VII. Emission Unit 010, Cleaver Brooks 33.4 Million Btu/hr Boiler

A. Limitations

1. The approved fuels for the Cleaver Brooks boiler (Emission Unit 010) are natural gas and distillate oil. A change in the fuel may require a permit to modify and operate. (9 VAC 5-80-110 and Condition 3 of NSR permit issued January 6, 2000)

2. The Cleaver Brooks boiler (Emission Unit 010) shall consume no more than 600,000 gallons of distillate oil and 241.2 x 10^6 cubic feet of natural gas per year, each calculated monthly as the sum of each consecutive 12 month period. (9 VAC 5-80-110 and Condition 4 of NSR permit issued January 6, 2000)

3. The distillate oil shall meet the specifications below:

   DISTILLATE OIL which meets ASTM D396-78 specifications for numbers 1 or 2 fuel oil
   Maximum sulfur content per shipment: 0.5%

   (9 VAC 5-80-110 and Condition 5 of NSR permit issued January 6, 2000)

4. The permittee shall obtain a certification from the fuel supplier with each shipment of distillate oil. Each fuel supplier certification shall include the following:

   a. The name of the fuel supplier;

   b. The date on which the distillate oil was received;

   c. The volume of distillate oil delivered in the shipment; and,

   d. A statement that the distillate oil complies with the American Society for Testing and Materials specifications for numbers 1 or 2 fuel oil.

   (9 VAC 5-80-110 and Condition 6 of NSR permit issued January 6, 2000)

5. Boiler emissions shall be controlled by proper operation and maintenance of combustion equipment. Boiler operators shall be trained in the proper operation of all such equipment. Training shall consist of a review and familiarization of the manufacturer's operating instructions, at minimum. The permittee shall maintain records of the required training including a statement of time, place and nature of training provided. The permittee shall have available good written operating procedures and a maintenance schedule for the boiler. These procedures shall be based on the manufacturer's recommendations, at minimum. All records required by this condition shall be kept at the facility and made available for inspection by the DEQ.
   (9 VAC 5-80-110 and Condition 7 of NSR permit issued January 6, 2000)

6. Emissions from the operation of the Cleaver Brooks boiler (Emission Unit 010) shall not exceed the limits specified below:

Particulate Matter	0.5 lbs/hr	1.5 tons/yr
PM-10	0.3 lbs/hr	1.2 tons/yr
Sulfur Dioxide	17.0 lbs/hr	21.4 tons/yr
Nitrogen Oxides (as NO_2)	4.8 lbs/hr	18.1 tons/yr
Carbon Monoxide	2.8 lbs/hr	11.6 tons/yr
Volatile Organic Compounds	0.2 lbs/hr	0.7 tons/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers VII.A.1, 2, 3, and 7
(9 VAC 5-80-110 and Condition 8 of NSR permit issued January 6, 2000)

7. Visible emissions from the boiler shall not exceed ten (10) percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed twenty (20) percent opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown and malfunction.
(9 VAC 5-50-20 A, 9 VAC 5-80-110, and Condition 9 of NSR permit issued January 6, 2000)

8. The permittee shall take the following measures in order to minimize the duration and frequency of excess emissions, with respect to air pollution control equipment, monitoring devices, and process equipment which affect such emissions:

   a. Develop a maintenance schedule and maintain records of all scheduled and non-schedules maintenance.

   b. Maintain an inventory of spare parts.

   c. Have available written operating procedures for equipment. These procedures shall be based on the manufacturer's recommendations, at a minimum.

   d. Train operators in the proper operation of all such equipment and familiarize the operators with the written operating procedures. The permittee shall maintain records of the training provided including the names of trainees, the date of training and the nature of the training.

   Records of maintenance and training shall be maintained at the facility for a period of five years and shall be made available to DEQ personnel upon request.
   (9 VAC 5-80-110 and Condition 19 of NSR permit issued January 6, 2000)

9. At all times, including periods of startup, shutdown and malfunction, the permittee shall maintain and operate the boiler in a manner consistent with air pollution control practices for minimizing emissions.
(9 VAC 5-50-20 E and 9 VAC 5-80-110)

B. Monitoring

10. The permitted facility shall be constructed so as to allow for emissions testing and monitoring upon reasonable notice at any time, using appropriate methods. Test ports shall be provided when requested in accordance with the applicable performance specification (reference 40 CFR part 60, Appendix B).
(9 VAC 5-80-110 and Condition 13 of NSR permit issued January 6, 2000)

C. Recordkeeping and Reporting

11. The permittee shall maintain records of emission data and operating parameters as necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Tidewater Regional Office. These records shall include, but are not limited to:

    a. Monthly and annual throughput of natural gas and distillate oil. Annual throughput shall be calculated monthly as the sum of each consecutive 12-month period.

    b. All fuel supplier certifications.

    c. Records of the required boiler operator training, including a statement of time, place and nature of training provided.

    d. Records of visual evaluations, visible emissions evaluations and any corrective action taken.

    e. DEQ-approved, pollutant-specific emission factors and equations used to show compliance with the emission limits contained in Section VII.A. of this permit.

    f. Boiler operator training records.

    g. Boiler operational maintenance records.

    These records shall be available for inspection by the DEQ and shall be current for the most recent five years.
    (9 VAC 5-80-110 and Condition 11 of NSR permit issued January 6, 2000)

12. The permittee shall submit fuel quality reports to the Director, Tidewater Regional Office within 30 days after the end of each semi-annual period. If no shipments of distillate oil were received during the semi-annual period, the semi-annual report shall consist of the dates included in the semi-annual period and a statement that no oil was received during the semi-annual period. If distillate oil was received during the semi-annual period, the reports shall include:

    a. Dates included in the semi-annual period,

    b. A copy of all fuel supplier certifications for all shipments of distillate oil received during the semi-annual period or a semi-annual summary from each fuel supplier that includes the information specified in Condition VII.A.4 of this section for each shipment of distillate oil, and

    c. A signed statement from the owner or operator of the facility that the fuel supplier certifications or summaries of fuel supplier certifications represent all of the distillate oil burned or received at the facility.

    One copy of the semi-annual report shall be submitted to the U.S. Environmental Protection Agency at the following address:

    Associate Director
    Office of Air Enforcement (3AP10)
    U.S. Environmental Protection Agency
    Region III
    1650 Arch Street
    Philadelphia, PA 19103-2029

    (9 VAC 5-80-110 and Condition 12 of NSR permit issued January 6, 2000)

VIII. Combustion Installation

This section of the permit applies to following emission units: Emission Units 071, 072, 073, 074, 075 and 076.

A. Limitations

1. Emissions from the combustion installation (Emission Units 071, 072, 073, 074, 075 and 076, combined) shall not exceed the following limit:

   Sulfur Dioxide Emissions 23.8 lbs/hr

   The emission rate in lbs/hr shall be determined by the following equation: S = 2.64K, where S = allowable emission of sulfur dioxide expressed in pounds per hour, and K = heat input at total capacity expressed in million Btu per hour.
   (9 VAC 5-40-280 B.2 and 9 VAC 5-80-110)

2. Visible emissions from each combustion unit (Emission Units 071, 072, 073, 074, 075 and 076) shall not exceed 20 percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 60 percent opacity, as determined by EPA Method 9 (reference 40 CFR 60, Appendix A).
   (9 VAC 5-40-80 and 9 VAC 5-80-110)

3. At all times, including periods of startup, shutdown and malfunction, the combustion units and any associated air pollution control equipment shall, to the extent practicable, be maintained and operated in a manner consistent with air pollution control practices for minimizing emissions.
   (9 VAC 5-40-20 E and 9 VAC 5-80-110)

B. Recordkeeping

4. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Tidewater Regional Office. These records shall include, but are not limited to:

   a. The type of fuel combusted in the units (Emission Units 071, 072, 073, 074, 075 and 076);

   b. Records of visual evaluations, visible emissions evaluations and any corrective action taken;

   c. DEQ-approved, pollutant-specific emission factors and equations used to show compliance with the emission limits contained in Section VIII.A. of this permit.

These records shall be available at the facility for inspection by the DEQ and shall be current for the most recent five (5) years.
(9 VAC 5-80-110)

IX. Emission Unit 006, Surface Coating - Open Air Painting

A. Limitations

1. Visible emissions from surface coating (Emission Unit 006) shall not exceed 20 percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 60 percent opacity, as determined by EPA Method 9 (reference 40 CFR 60, Appendix A).
(9 VAC 5-40-80 and 9 VAC 5-80-110)

2. At all times, including periods of startup, shutdown and malfunction, the surface coating equipment and any associated air pollution control equipment shall, to the extent practicable, be maintained and operated in a manner consistent with air pollution control practices for minimizing emissions.
(9 VAC 5-40-20 E and 9 VAC 5-80-110)

3. Each shipbuilding and ship repair operation is to be operated in compliance with the General Provisions of 40 CFR part 63 subpart A as specified in Table 1 of 40 CFR part 63 subpart II.
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.780)

4. The permittee shall comply will the applicable provisions of 40 CFR part 63 subpart II.
(9 VAC 5-60-100 and 9 VAC 5-80-110)

5. The provisions of 40 CFR part 63 subpart A pertaining to startups, shutdowns, malfunctions, and continuous monitoring do not apply unless an add-on control system is used to comply with 40 CFR part 63 subpart II.
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.781(d))

6. No owner or operator shall cause or allow the application of any coating to a ship with an as-applied Volatile Organic Hazardous Air Pollutant (VOHAP) content exceeding the applicable limit given in Table 2 of 40 CFR part 63 subpart II.
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.783(a))

7. Each owner or operator shall ensure that:

   a. All handling and transfer of VOHAP-containing materials to and from containers, tanks, vats, drums, and piping systems is conducted in a manner that minimizes spills.

   b. All containers, tanks, vats, drums, and piping systems are free of cracks, holes, and other defects and remain closed unless materials are being added to or removed from them.

   (9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.783(b))

8. The permittee shall demonstrate compliance with the applicable VOHAP limits in Table 2 of 40 CFR part 63 subpart II using the procedures in 40 CFR 63.785 (c)(1)-(c)(4).
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.785(c))

B. Monitoring, Recordkeeping and Reporting

9. The permittee shall comply with all recordkeeping and reporting requirements in 40 CFR 63.788 (Table 3 of 40 CFR part 63 subpart II) for each compliance option chosen. These records shall be available at the facility for inspection by DEQ and shall be current for the most recent five years.
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.788)

X. Emission Unit 020, Abrasive Blasting

A. Limitations

1. Visible emissions from abrasive blasting (Emission Unit 020) shall not exceed 20 percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 60 percent opacity, as determined by EPA Method 9 (reference 40 CFR 60, Appendix A).
(9 VAC 5-40-80 and 9 VAC 5-80-110)

2. At all times, including periods of startup, shutdown and malfunction, the abrasive blasting equipment and any associated air pollution control equipment shall, to the extent practicable, be maintained and operated in a manner consistent with air pollution control practices for minimizing emissions.
(9 VAC 5-40-20 E and 9 VAC 5-80-110)

XI. Emission Unit 021, Chrome Plating Operation

A. Limitations

1. The chrome plating facility (hard and rotary) shall consume no more than 3.5 pounds per hour, 84.0 pounds per day and 1,200 pounds per month of chromic acid.
(9 VAC 5-80-110 and Condition 2 of NSR permit issued November 7, 1990)

2. The concentration of chromic acid in the static, regeneration and rotary tanks shall not exceed 2.1 pounds per gallon of plating solution.
(9 VAC 5-80-110 and Condition 3 of NSR permit issued November 7, 1990)

3. The chrome plating facility (hard and rotary) shall operate at no more than 4.0×10^6 amp-hrs per month.
(9 VAC 5-80-110 and Condition 4 of NSR permit issued November 7, 1990)

4. Non-criteria pollutant emissions from the operation of the chrome plating facility (hard and rotary) shall not exceed the limitations specified below:

Chromic Acid	0.004 lbs/hr	0.10 lbs/day

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers XII.1, 2, 3, 5, and 6 of this section.
(9 VAC 5-80-110 and Condition 6 of NSR permit issued November 7, 1990)

5. Chromic acid emissions from the chrome plating facility (hard and rotary) shall be controlled by a 99% efficient mist eliminator/fume scrubber system. The mist eliminator/fume scrubber system shall be provided with adequate access for inspection.
(9 VAC 5-80-110 and Condition 7 of NSR permit issued November 7, 1990)

6. Visible emissions from the fume scrubber shall not exceed 5 percent opacity.
(9 VAC 5-80-110 and Condition 8 of NSR permit issued November 7, 1990)

7. The opacity standard shall apply at all times except during periods of startup, shutdown and malfunction.
(9 VAC 5-50-20 A.3. and 9 VAC 5-80-110)

8. At all times, including periods of startup, shutdown and malfunction, the permittee shall maintain and operate the chrome plating facility in a manner consistent with air pollution control practices for minimizing emissions.
(9 VAC 5-50-20 E and 9 VAC 5-80-110)

9. The permittee shall comply with the applicable requirements of 40 CFR part 63 subpart N.
(9 VAC 5-60-100 and 9 VAC 5-80-110)

10. The permittee shall comply with the requirements of 40 CFR part 63 subpart A, according to Table 1 of 40 CFR part 63 subpart N.
(9 VAC 5-80-110 and 40 CFR 63.340(b))

11. During tank operation, chromium emissions discharged to the atmosphere shall be controlled by not allowing the concentration of total chromium in the exhaust gas stream discharged to the atmosphere to exceed 0.03 mg/dscm. The emission limitation applies only during tank operation, and also applies during periods of startup and shutdown as these are routine occurrences for these sources. The emission limitation does not apply during periods of malfunction, but the work practice standards that address operation and maintenance must be followed during malfunctions.
(9 VAC 5-60-100, 9 VAC 5-80-110, 40 CFR 63.342(b), and 40 CFR 63.342(c)(1)(ii))

B. Work Practice Standards

12. At all times, including periods of startup, shutdown, and malfunction, owners or operators shall operate and maintain any affected source, including associated air pollution control devices and monitoring equipment, in a manner consistent with good air pollution control practices, consistent with the operation and maintenance plan required by 40 CFR 63.342(f)(3).
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.342(f)(1)(i))

13. Malfunctions shall be corrected as soon as practicable after their occurrence in accordance with the operation and maintenance plan required by 40 CFR 63.342(f)(3))
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.342(f)(1)(ii))

14. Operation and maintenance requirements established pursuant to section 112 of the Act are enforceable independent of emission limitations or other requirements in relevant standards.
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.342(f)(1)(iii))

C. Operation and Maintenance Plan

15. An operation and maintenance plan shall be prepared and implemented, and shall be incorporated by reference in the source's title V permit. The plan shall include the elements specified in 40 CFR 63.342(f)(3)(i). The plan is included as an attachment to this permit.
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.342(f)(3)(i))

16. If the operation and maintenance plan fails to address or inadequately addresses an event that meets the characteristics of a malfunction at the time the plan is initially developed, the operation and maintenance plan shall be revised within 45 days after such an event occurs. The revised plan shall include procedures for operating and maintaining the process equipment, add-on air pollution control device, or monitoring equipment during similar malfunction events, and a program for corrective action for such events.
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.342(f)(3)(ii))

D. Monitoring

17. The owner or operator subject to the emission limitations of 40 CFR part 63 subpart N shall conduct monitoring according to the type of air pollution control technique that is used to comply with the emission limitation.
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.343(c))

18. The owner or operator shall monitor and record the pressure drop once each day across the packed bed scrubber/composite mesh-pad system once each day. The compliant operating range of the system is 2.6 to 4.6 in/H_2O (+/- 1 inch of water column).
(9 VAC 5-60-100, 9 VAC 5-80-110, 40 CFR 63.343(c)(3), and 40 CFR 63.343(c)(1)(ii))

E. Reporting

19. If actions taken during periods of malfunction are inconsistent with the procedures specified in the operation and maintenance plan, the owner or operator shall record the actions taken for that event and shall report by phone such actions within 2 working days after commencing actions inconsistent with the plan. This report shall be followed by a letter within 7 working days after the end of the event, unless the owner or operator makes alternative reporting arrangements in advance.
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.342(iv))

20. The permittee shall submit reports as required by 40 CFR 63.347.
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.347)

F. Recordkeeping

21. A log shall be maintained of:

    a. The number of hours of operation per month for the chrome plating operation;

    b. The concentration of chromic acid after each chromic acid addition;

    c. The monthly consumption of chromic acid; and,

    d. The monthly amp-hrs of operation.

    A report of monthly records shall be submitted to the Director, Tidewater Regional Office, by January 30 of each calendar year.
    (9 VAC 5-80-110 and Condition 5 of NSR permit issued November 7, 1990)

22. The written operation and maintenance plan shall be kept on record after it is developed to be made available for inspection, upon request, for the life of the source or until the source is no longer subject to the provisions of 40 CFR part 63 subpart N. In addition, if the operation and maintenance plan is revised, the owner or operator shall keep previous (i.e., superseded) versions of the operation and maintenance plan on record to be made available for inspection, upon request, for a period of 5 years after each revision to the plan.
    (9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.342(f)(3)(v))

23. The permittee shall maintain records as required by 40 CFR 63.346 (b) and (c) for the chrome plating facility.
    (9 VAC 5-60-100, 9 VAC 5-80-110, 40 CFR 63.346 (b), and 40 CFR 63.346 (c))

24. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. These records shall include, but are not limited to:

    a. Visible emission checks;

    b. Corrective measures for visible emissions;

    c. Visible emission evaluations; and,

    d. DEQ-approved, pollutant-specific emission factors used to show compliance with the emission limits listed above in Part A of this Section.

    These records shall be maintained at the facility for at least five years.
    (9 VAC 5-80-110)

XII. Emission Unit 022, Carpenter Shop (Sawmill and Woodworking)

A. Limitations

1. The permittee shall not cause or permit to be discharged into the atmosphere any particulate emissions caused by any woodworking operation without providing, as a minimum, for their collection, adequate duct work and properly designed collectors. (9 VAC 5-40-2270 A. and 9 VAC 5-80-110)

2. Particulate emissions from the carpenter shop (Emission Unit 022) shall not exceed 0.05 grains per standard cubic feet of exhaust gas.
(9 VAC 5-40-2270 B. and 9 VAC 5-80-110)

3. Visible emissions from the carpenter shop (Emission Unit 022) shall not exceed 20 percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 60 percent opacity, as determined by EPA Method 9 (reference 40 CFR 60, Appendix A).
(9 VAC 5-40-80 and 9 VAC 5-80-110)

4. At all times, including periods of startup, shutdown and malfunction, the carpenter shop/woodworking equipment and any associated air pollution control equipment shall, to the extent practicable, be maintained and operated in a manner consistent with air pollution control practices for minimizing emissions.
(9 VAC 5-40-20 E and 9 VAC 5-80-110)

B. Recordkeeping

5. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. These records shall include, but are not limited to:

   a. Visible emission checks;

   b. Corrective measures for visible emissions;

   c. Visible emission evaluations; and,

   d. DEQ-approved, pollutant-specific emission factors used to show compliance with the emission limits listed above in Part A of this Section.

   These records shall be maintained at the facility for at least five years.
   (9 VAC 5-80-110)

XIII. Emission Units 024 and 026, Wheelabrator Shot Blast Cabinets

A. Limitations

1. Visible emissions from the shot blast cabinets (Emission Units 024 and 026) shall not exceed 20 percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 60 percent opacity, as determined by EPA Method 9 (reference 40 CFR 60, Appendix A).
(9 VAC 5-40-80 and 9 VAC 5-80-110)

2. At all times, including periods of startup, shutdown and malfunction, the shot blast cabinets and any associated air pollution control equipment shall, to the extent practicable, be maintained and operated in a manner consistent with air pollution control practices for minimizing emissions.
(9 VAC 5-40-20 E and 9 VAC 5-80-110)

XIV. Facility-Wide Conditions

A. 40 CFR part 61 subpart M - National Emission Standard for Asbestos

Standard for Demolition and Renovation
No owner or operator of a demolition or renovation activity shall commence such demolition or renovation activity without proper notification to the Administrator.
(9 VAC 5-80-110 and 40 CFR 61.145)

B. Monitoring

The permittee shall perform periodic visual evaluations of each significant emissions unit once each calendar month while operating at normal load/capacity to determine compliance with the opacity standards for each individual unit. The visual evaluation shall last for a period of six consecutive minutes. If such periodic evaluations indicate any opacity, the permittee shall take appropriate action within seven calendar days to correct the cause of the opacity such that no visible emissions exist. If such corrective action fails to correct the problem, the permittee shall conduct a visible emissions evaluation (VEE) utilizing EPA Method 9 (reference 40 CFR 60, Appendix A). All periodic visual evaluations, visible emissions evaluations and corrective actions necessary shall be recorded in a logbook for each significant emissions unit. The logbooks shall be kept at the facility and made available for inspection by the DEQ for the most recent five (5) year period.
(9 VAC 5-80-110 E)

C. Testing

1. The permitted facility shall be constructed so as to allow for emissions testing at any time using appropriate methods. Upon request from the Department, test ports shall be provided at the appropriate locations.
   (9 VAC 5-40-30, 9 VAC 5-50-30, and 9 VAC 5-80-110)

2. If testing to demonstrate compliance is conducted in addition to the monitoring specified in this permit, the permittee shall use the following methods in accordance with procedures approved by the DEQ as follows:

*The following table **applies** only **to** those pollutants that have emission limits.*

Pollutant	Test Method (40 CFR Part 60, Appendix A)
VOC	EPA Methods 18, 25, 25a
VOC Content	EPA Methods 24, 24a
NO_x	EPA Method 7
SO_2	EPA Method 6
CO	EPA Method 10
PM/PM-10	EPA Method 5, 17
Visible Emission	EPA Method 9

(9 VAC 5-80-110)

D. Violation of Ambient Air Quality Standards

The permittee shall, upon request of the DEQ, reduce the level of operation or shut down a facility, as necessary to avoid violating and primary ambient air quality standard and shall not return to normal operation until such time as the ambient air quality standard will not be violated.
(9 VAC 5-20-180 I and 9 VAC 5-80-110)

E. Volatile Organic Compound Disposal

At all times, the disposal of volatile organic compounds shall be accomplished by taking measures, to the extent practicable, consistent with air pollution control practices for minimizing emissions. Volatile organic compounds shall not be intentionally spilled, discarded in sewers which are not connected to a treatment plant, or stored in open containers or handled in any other manner that would result in evaporation beyond that consistent with air pollution control practices for minimizing emissions.
(9 VAC 5-40-20 F, 9 VAC 5-50-20 F, and 9 VAC 5-80-110)

XV. Insignificant Emission Units

The following emission units at the facility are identified in the application as insignificant emission units under 9 VAC 5-80-720:

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (9 VAC 5-80-720 C)
SH1	Natural gas-fired boiler	5-80-720 C.2.a.	PM10, SO2, NOx, CO, VOC	2.35 million Btu/hr
SH2	Natural gas-fired boiler	5-80-720 C.2.a.	PM10, SO2, NOx, CO, VOC	9.07 million Btu/hr
OS1	Natural gas-fired boiler	5-80-720 C.2.a.	PM10, SO2, NOx, CO, VOC	0.324 million Btu/hr
TEG1	Titan Emergency Diesel Generator	5-80-720 C.4.b.	PM10, SO2, NOx, CO, VOC	15 gal/hr diesel fuel
PS1	Natural gas-fired cutting table	5-80-720 C.2.a.	PM10, SO2, NOx, CO, VOC	1.0 million Btu/hr
PS2	Natural gas-fired cutting table	5-80-720 C.2.a.	PM10, SO2, NOx, CO, VOC	1.0 million Btu/hr
T6	Water/Oil discharge tank	5-80-720 B.2.	VOC	25,000 gallons
T7	Water/Oil discharge tank	5-80-720 B.2.	VOC	25,000 gallons
T8	Recovered oil & water mix holding tank	5-80-720 B.2.	VOC	50,000 gallons
T17	Recovered oil holding tank	5-80-720 B.2.	VOC	100,000 gallons
T18	Recovered oil holding tank	5-80-720 B.2.	VOC	100,000 gallons
T24	Recovered oil & water mix holding tank	5-80-720 B.2.	VOC	50,000 gallons
T25	Recovered oil & water mix holding tank	5-80-720 B.2.	VOC	50,000 gallons
Plantwide	5 Selig parts washers	5-80-720 B.2.	VOC	15 gallons
Bldg. 101	Natural gas-fired boiler	5-80-720 C.2.a.	PM10, SO2, NOx, CO, VOC	0.225 million Btu/hr
Bldg. 423	Natural gas-fired boiler	5-80-720 C.2.a.	PM10, SO2, NOx, CO, VOC	0.365 million Btu/hr
T32	Aboveground gasoline tank	5-80-720 B.2.	VOC	3,000 gallons

These emission units are presumed to be in compliance with all requirements of the federal Clean Air Act as may apply. Based on this presumption, no monitoring, recordkeeping, or reporting shall be required for these emission units in accordance with 9 VAC 5-80-110.

XVI. Permit Shield & Inapplicable Requirements

Compliance with the provisions of this permit shall be deemed compliance with all applicable requirements in effect as of the permit issuance date as identified in this permit. This permit shield covers only those applicable requirements covered by terms and conditions in this permit and the following requirements which have been specifically identified as being not applicable to this permitted facility:

Citation	Title of Citation	Description of Applicability
NONE IDENTIFIED		

Nothing in this permit shield shall alter the provisions of §303 of the federal Clean Air Act, including the authority of the administrator under that section, the liability of the owner for any violation of applicable requirements prior to or at the time of permit issuance, or the ability to obtain information by the administrator pursuant to §114 of the federal Clean Air Act, (ii) the Board pursuant to §10.1-1314 or §10.1-1315 of the Virginia Air Pollution Control Law or (iii) the Department pursuant to §10.1-1307.3 of the Virginia Air Pollution Control Law.
(9 VAC 5-80-140)

XVII. General Conditions

A. Federal Enforceability

All terms and conditions in this permit are enforceable by the administrator and citizens under the federal Clean Air Act, except those that have been designated as only state-enforceable.
(9 VAC 5-80-110 N)

B. Permit Expiration

This permit has a fixed term of five years. The expiration date shall be the date five years from the date of issuance. Unless the owner submits a timely and complete renewal application to the Department consistent with 9 VAC 5-80-80, the right of the facility to operate shall be terminated upon permit expiration.

1. The owner shall submit an application for renewal at least six months but no earlier than eighteen months prior to the date of permit expiration.

2. If an applicant submits a timely and complete application for an initial permit or renewal under this section, the failure of the source to have a permit or the operation of the source without a permit shall not be a violation of Article 1, Part II of 9 VAC 5 Chapter 80, until the Board takes final action on the application under 9 VAC 5-80-150.

3. No source shall operate after the time that it is required to submit a timely and complete application under subsections C and D of 9 VAC 5-80-80 for a renewal permit, except in compliance with a permit issued under Article 1, Part II of 9 VAC 5 Chapter 80.

4. If an applicant submits a timely and complete application under section 9 VAC 5-80-80 for a permit renewal, but the Board fails to issue or deny the renewal permit before the end of the term of the previous permit, (i) the previous permit shall not expire until the renewal permit has been issued or denied, and (ii) all the terms and conditions of the previous permit, including any permit shield granted pursuant to 9 VAC 5-80-140, shall remain in effect from the date the application is determined to be complete until the renewal permit is issued or denied.

5. The protection under subsections F 1 and F 5 (ii) of section 9 VAC 5-80-80 F shall cease to apply if, subsequent to the completeness determination made pursuant to section 9 VAC 5-80-80 D, the applicant fails to submit, by the deadline specified in writing by the Board, any additional information identified as being needed to process the application.
(9 VAC 5-80-80 B, C and F, 9 VAC 5-80-110 D, and 9 VAC 5-80-170 B)

C. Recordkeeping and Reporting

1. All records of monitoring information maintained to demonstrate compliance with the terms and conditions of this permit shall contain, where applicable, the following:

   a. The date, place as defined in the permit, and time of sampling or measurements.

   b. The date(s) analyses were performed.

   c. The company or entity that performed the analyses.

   d. The analytical techniques or methods used.

   e. The results of such analyses.

   f. The operating conditions existing at the time of sampling or measurement.

   (9 VAC 5-80-110 F)

2. Records of all monitoring data and support information shall be retained for at least 5 years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.
   (9 VAC 5-80-110 F)

3. The permittee shall submit the results of monitoring contained in any applicable requirement to DEQ. Reports shall cover a period of six months. The reporting periods shall be from the first day of the month to the last day of the sixth month. Reports shall be postmarked or delivered no later than 60 days following the end of the reporting period. The first reporting period shall commence on November 1, 2002. This report must be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:

   a. The time period included in the report.

   b. All deviations from permit requirements. For purposes of this permit, deviations include, but are not limited to:

      (1) Exceedance of emissions limitations or operational restrictions;

      (2) Excursions from control device operating parameter requirements, as documented by continuous emission monitoring, periodic monitoring, or compliance assurance monitoring which indicates an exceedance of emission limitations or operational restrictions; or,

      (3) Failure to meet monitoring, recordkeeping, or reporting requirements contained in this permit.

c. If there were no deviations from permit conditions during the time period, the permittee shall include a statement in the report that "no deviations from permit requirements occurred during this semi-annual reporting period."

(9 VAC 5-80-110 F)

D. Annual Compliance Certification

Exclusive of any reporting required to assure compliance with the terms and conditions of this permit or as part of a schedule of compliance contained in this permit, the permittee shall submit to EPA and DEQ a certification of compliance with all terms and conditions of this permit including emission limitation standards or work practices for a period of twelve months. The report shall be postmarked or delivered no later than 60 days following the end of the twelve-month period. The reporting periods shall coincide with the monitoring reporting periods. The compliance certification shall comply with such additional requirements that may be specified pursuant to §114(a)(3) and §504(b) of the federal Clean Air Act. This certification shall be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:

1. The time period included in the certification.
2. The identification of each term or condition of the permit that is the basis of the certification.
3. The compliance status.
4. Whether compliance was continuous or intermittent, and if not continuous, documentation of each incident of non-compliance.
5. Consistent with subsection 9 VAC 5-80-110 E, the method or methods used for determining the compliance status of the source at the time of certification and over the reporting period.
6. Such other facts as the permit may require to determine the compliance status of the source.

One copy of the annual compliance certification shall be sent to EPA at the following address:

Clean Air Act Title V Compliance Certification (3AP00)
U. S. Environmental Protection Agency, Region III
1650 Arch Street
Philadelphia, PA 19103-2029.

(9 VAC 5-80-110 K.5)

E. Permit Deviation Reporting

The permittee shall notify the Director, Tidewater Regional Office, within 4 daytime business hours of any deviations from permit requirements which may cause excess emissions for more than one hour, including those attributable to upset conditions as may be defined in this permit. In addition, within 14 days of the occurrence, the permittee shall provide a written statement explaining the problem, any corrective actions or preventative measures taken, and the estimated duration of the permit deviation. The occurrence should also be reported in the next semi-annual compliance monitoring report pursuant to General Condition C.3. of this permit.
(9 VAC 5-80-110 F.2 and 9 VAC 5-80-250)

F. Failure/Malfunction Reporting

In the event that any affected facility or related air pollution control equipment fails or malfunctions in such a manner that may cause excess emissions for more than one hour, the owner shall, as soon as practicable but no later than four daytime business hours, notify the Director, Tidewater Regional Office by facsimile transmission, telephone or telegraph of such failure or malfunction and shall within two weeks provide a written statement giving all pertinent facts, including the estimated duration of the breakdown. Owners subject to the requirements of 9 VAC 5-40-50 C and 9 VAC 5-50-50 C are not required to provide the written statement prescribed in this paragraph for facilities subject to the monitoring requirements of 9 VAC 5-40-40 and 9 VAC 5-50-40. When the condition causing the failure or malfunction has been corrected and the equipment is again in operation, the owner shall notify the Director, Tidewater Regional Office.
(9 VAC 5-20-180 C)

G. Severability

The terms of this permit are severable. If any condition, requirement or portion of the permit is held invalid or inapplicable under any circumstance, such invalidity or inapplicability shall not affect or impair the remaining conditions, requirements, or portions of the permit.
(9 VAC 5-80-110 G.1)

H. Duty to Comply

The permittee shall comply with all terms and conditions of this permit. Any permit noncompliance constitutes a violation of the federal Clean Air Act or the Virginia Air Pollution Control Law or both and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or, for denial of a permit renewal application.
(9 VAC 5-80-110 G.2)

I. Need to Halt or Reduce Activity not a Defense

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
(9 VAC 5-80-110 G.3)

J. Permit Action for Cause

1. This permit may be modified, revoked, reopened, and reissued, or terminated for cause as specified in 9 VAC 5-80-110 L, 9 VAC 5-80-240 and 9 VAC 5-80-260. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.
(9 VAC 5-80-110 G.4)

2. Such changes that may require a permit modification and/or revisions include, but are not limited to, the following:

   a. Erection, fabrication, installation, addition, or modification of an emissions unit (which is the source, or part of it, which emits or has the potential to emit any regulated air pollutant), or of a source, where there is, or there is potential of, a resulting emissions increase;

   b. Reconstruction or replacement of any emissions unit or components thereof such that its capital cost exceeds 50% of the cost of a whole new unit;

   c. Any change at a source which causes emission of a pollutant not previously emitted, an increase in emissions, production, throughput, hours of operation, or fuel use greater than those allowed by the permit, or by 9 VAC 5-80-11, unless such an increase is authorized by an emissions cap; or any change at a source which causes an increase in emissions resulting from a reduction in control efficiency, unless such an increase is authorized by an emissions cap;

   d. Any reduction of the height of a stack or of a point of emissions, or the addition of any obstruction which hinders the vertical motion of exhaust;

   e. Any change at the source which affects its compliance with conditions in this permit, including conditions relating to monitoring, recordkeeping, and reporting;

   f. Addition of an emissions unit which qualifies as insignificant by emissions rate (9 VAC 5-80-720 B) or by size or production rate (9 VAC 5-80-720 C);

   g. Any change in insignificant activities, as defined by 9 VAC 5-80-90 D.1.a(1) and 9 VAC 5-80-720 B and 9 VAC 5-80-720 C.

   (9 VAC 5-80-110 G, 9 VAC 5-80-110 J, 9 VAC 5-80-240, and 9 VAC 5-80-260)

K. Property Rights

The permit does not convey any property rights of any sort, or any exclusive privilege. (9 VAC 5-80-110 G.5)

L. Duty to Submit Information

1. The permittee shall furnish to the Board, within a reasonable time, any information that the Board may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Board copies of records required to be kept by the permit and, for information claimed to be confidential, the permittee shall furnish such records to the Board along with a claim of confidentiality.
(9 VAC 5-80-110 G.6)

2. Any document (including reports) required in a permit condition to be submitted to the Board shall contain a certification by a responsible official that meets the requirements of 9 VAC 5-80-80 G.
(9 VAC 5-80-110 K.1)

M. Duty to Pay Permit Fees

The owner of any source for which a permit under 9 VAC 5-80-50 through 9 VAC 5-80-305 was issued shall pay permit fees consistent with the requirements of 9 VAC 5-80-310 through 9 VAC 5-80-355. The actual emissions covered by the permit program fees for the preceding year shall be calculated by the owner and submitted to the Department by **April 15** of each year. The calculations and final amount of emissions are subject to verification and final determination by the Department.
(9 VAC 5-80-110 H and 9 VAC 5-80-340 C)

N. Fugitive Dust Emission Standards

During the operation of a stationary source or any other building, structure, facility, or installation, no owner or other person shall cause or permit any materials or property to be handled, transported, stored, used, constructed, altered, repaired, or demolished without taking reasonable precautions to prevent particulate matter from becoming airborne. Such reasonable precautions may include, but are not limited to, the following:

1. Use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads, or the clearing of land;

2. Application of asphalt, oil, water, or suitable chemicals on dirt roads, materials stockpiles, and other surfaces which may create airborne dust; the paving of roadways and the maintaining of them in a clean condition;

3. Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty material. Adequate containment methods shall be employed during sandblasting or other similar operations;

4. Open equipment for conveying or transporting material likely to create objectionable air pollution when airborne shall be covered or treated in an equally effective manner at all times when in motion; and,

5. The prompt removal of spilled or tracked dirt or other materials from paved streets and of dried sediments resulting from soil erosion.

(9 VAC 5-40-90 and 9 VAC 5-50-90)

O. Startup, Shutdown, and Malfunction

At all times, including periods of startup, shutdown, soot blowing, and malfunction, owners shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with air pollution control practices for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Board, which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.
(9 VAC 5-50-20)

P. Alternative Operating Scenarios

Contemporaneously with making a change between reasonably anticipated operating scenarios identified in this permit, the permittee shall record in a log at the permitted facility a record of the scenario under which it is operating. The permit shield described in 9 VAC 5-80-140 shall extend to all terms and conditions under each such operating scenario. The terms and conditions of each such alternative scenario shall meet all applicable requirements including the requirements of 9 VAC 5 Chapter 80, Article 1.
(9 VAC 5-80-110 J)

Q. Inspection and Entry Requirements

The permittee shall allow DEQ, upon presentation of credentials and other documents as may be required by law, to perform the following:

1. Enter upon the premises where the source is located or emissions-related activity is conducted, or where records must be kept under the terms and conditions of the permit.

2. Have access to and copy, at reasonable times, any records that must be kept under the terms and conditions of the permit.

3. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit.

4. Sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

(9 VAC 5-80-110 K.2)

R. Reopening For Cause

The permit shall be reopened by the Board if additional federal requirements become applicable to a major source with a remaining permit term of three years or more. Such reopening shall be completed no later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to 9 VAC 5-80-80 F.

1. The permit shall be reopened if the Board or the administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

2. The permit shall be reopened if the administrator or the Board determines that the permit must be revised or revoked to assure compliance with the applicable requirements.

3. The permit shall not be reopened by the Board if additional applicable state requirements become applicable to a major source prior to the expiration date established under 9 VAC 5-80-110 D.

(9 VAC 5-80-110 L)

S. Permit Availability

Within five days after receipt of the issued permit, the permittee shall maintain the permit on the premises for which the permit has been issued and shall make the permit immediately available to DEQ upon request.
(9 VAC 5-80-150 E)

T. Transfer of Permits

1. No person shall transfer a permit from one location to another, unless authorized under 9 VAC 5-80-130, or from one piece of equipment to another.
(9 VAC 5-80-160)

2. In the case of a transfer of ownership of a stationary source, the new owner shall comply with any current permit issued to the previous owner. The new owner shall notify the Board of the change in ownership within 30 days of the transfer and shall comply with the requirements of 9 VAC 5-80-200.
(9 VAC 5-80-160)

3. In the case of a name change of a stationary source, the owner shall comply with any current permit issued under the previous source name. The owner shall notify the Board of the change in source name within 30 days of the name change and shall comply with the requirements of 9 VAC 5-80-200.
(9 VAC 5-80-160)

U. Malfunction as an Affirmative Defense

1. A malfunction constitutes an affirmative defense to an action brought for noncompliance with technology-based emission limitations if the conditions of paragraph 2 are met.

2. The affirmative defense of malfunction shall be demonstrated by the permittee through properly signed, contemporaneous operating logs, or other relevant evidence that show the following:

   a. A malfunction occurred and the permittee can identify the cause or causes of the malfunction.

   b. The permitted facility was at the time being properly operated.

   c. During the period of malfunction, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in the permit.

   d. The permittee notified the board of the malfunction within two working days following the time when the emissions limitations were exceeded due to the malfunction. This notification shall include a description of the malfunction, any steps taken to mitigate emissions, and corrective actions taken. The notification may be delivered either orally or in writing. The notification may be delivered by electronic mail, facsimile transmission, telephone, telegraph, or any other method that allows the permittee to comply with the deadline. The notice fulfills the requirement of 9 VAC 5-80-110 F.2. b to report promptly deviations from permit requirements. This notification does not release the permittee from the malfunction reporting requirements under 9 VAC 5-20-180 C.

3. In any enforcement proceeding, the permittee seeking to establish the occurrence of a malfunction shall have the burden of proof. The provisions of this section are in addition to any malfunction, emergency or upset provision contained in any requirement applicable to the source.

(9 VAC 5-80-250)

V. Permit Revocation or Termination for Cause

A permit may be revoked or terminated prior to its expiration date if the owner knowingly makes material misstatements in the permit application or any amendments thereto or if the permittee violates, fails, neglects or refuses to comply with the terms or conditions of the permit, any applicable requirements, or the applicable provisions of 9 VAC 5 Chapter 80 Article 1. The Board may suspend, under such conditions and for such period of time as the Board may prescribe, any permit for any of the grounds for revocation or termination or for any other violations of these regulations.
(9 VAC 5-80-260)

W. Duty to Supplement or Correct Application

Any applicant who fails to submit any relevant facts or who has submitted incorrect information in a permit application shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary facts or corrections. An applicant shall also provide additional information as necessary to address any requirements that become applicable to the source after the date a complete application was filed but prior to release of a draft permit.
(9 VAC 5-80-80 E)

X. Stratospheric Ozone Protection

If the permittee handles or emits one or more Class I or II substances subject to a standard promulgated under or established by Title VI (Stratospheric Ozone Protection) of the federal Clean Air Act, the permittee shall comply with all applicable sections of 40 CFR Part 82, Subparts A to F.
(40 CFR Part 82, Subparts A-F)

Y. Accidental Release Prevention

If the permittee has more, or will have more than a threshold quantity of a regulated substance in a process, as determined by 40 CFR 68.115, the permittee shall comply with the requirements of 40 CFR Part 68.
(40 CFR Part 68)

Z. Changes to Permits for Emissions Trading

No permit revision shall be required under any federally approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.
(9 VAC 5-80-110 I)

AA. Emissions Trading

Where the trading of emissions increases and decreases within the permitted facility is to occur within the context of this permit and to the extent that the regulations provide for trading such increases and decreases without a case-by-case approval of each emissions trade:

1. All terms and conditions required under 9 VAC 5-80-110, except subsection N, shall be included to determine compliance.

2. The permit shield described in 9 VAC 5-80-140 shall extend to all terms and conditions that allow such increases and decreases in emissions.

3. The owner shall meet all applicable requirements including the requirements of 9 VAC 5-80-50 through 9 VAC 5-80-300.

(9 VAC 5-80-110 I)

XVIII. State-Only Enforceable Requirements

The following terms and conditions are not required under the federal Clean Air Act or under any of its applicable federal requirements, and are not subject to the requirements of 9 VAC 5-80-290 concerning review of proposed permits by EPA and draft permits by affected states.

1. 9 VAC 5-40-140 Existing Source Standard for Odor

2. 9 VAC 5-40-180 Existing Source Standard for Toxic Pollutants

3. 9 VAC 5-50-140 New and Modified Source Standard for Odorous Emissions

4. 9 VAC 5-50-180 New and Modified Source Standard for Toxic Pollutants

(9 VAC 5-80-110 N and 9 VAC 5-80-300)

OPERATION AND MAINTENANCE PLAN

COMPLIANCE FORMS

To: **Air Compliance Manager**
Department of Environmental Quality – Tidewater Regional Office
5636 Southern Blvd.
Virginia Beach, VA 23462

From: **(Facility Name)**

Registration No. _____

Re: **TITLE V ANNUAL COMPLIANCE CERTIFICATION**

Date:

Please find attached our Title V Annual Compliance Certification for the period from ____/____/_____ to ____/____/_____. It identifies each term or condition of the permit that is the basis of the certification. All deviations and periods of non-compliance for the period have been addressed in semi-annual monitoring reports that have either been previously submitted or are enclosed.

Certification: I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who mange the system, or those persons directly responsible for gathering and evaluating the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

_____ _____

(*Signature)* *(Name & Title)*

cc: Director, Air and Waste Division (Mail drop 3AP00)
United States Environmental Protection Agency -- Region III
1650 Arch Street
Philadelphia, PA 19103-2029

(Annual Compliance Certifications are due 60 days following end of reporting period.)

To: **Air Compliance Manager**
Department of Environmental Quality – Tidewater Regional Office
5636 Southern Blvd.
Virginia Beach, VA 23462

From: **(*Facility Name)*** **Reg. No. _____**

Re: **PROMPT DEVIATION REPORT – Pursuant to Title V Permit**

Date:

This confirms the deviation reported to the Regional Office at _____ o'clock on ____/____/_____. The details are described below. The deviation may have caused excess emissions for more than one hour, consistent with specified averaging times. None of these deviations were related to a malfunction.

Start date & time:	**End date & time:**	**Estimated Duration:**
Deviation from which permit condition (*condition number and brief description*):		
Description of incident (*including emission unit affected)*:		
Description of Monitoring Requirement for affected unit(s):		
Probable cause:		
Description of corrective measures taken (*demonstrating a timely & appropriate response*):		
Description of preventive measures taken:		

Certification: I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who mange the system, or those persons directly responsible for gathering and evaluating the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

_____ _____

(*Signature)* *(Name & Title)*

To: Air Compliance Manager
Department of Environmental Quality – Tidewater Regional Office
5636 Southern Blvd.
Virginia Beach, VA 23462

From: (*Facility Name)* Reg. No. _____

Re: SEMI-ANNUAL MONITORING REPORT – Pursuant to Title V Permit

Date:

The following monitoring report is submitted as required by our Title V permit. For the purposes of this report, deviation means (1) exceedances of emission limits, as determined by such means as stack testing, continuous emission monitors, parametric monitoring and EPA Method 9 visible emission evaluations; (2) excursions from control device operating parameter requirements such as afterburner temperature, scrubber flow rate, baghouse pressure drop; (3) excursions from operational restrictions things such as throughput, fuel quality, and coating VOC and HAP content; and (4) failure to meet monitoring, record keeping or reporting requirements. The report addresses all data points, which are above a standard, limit etc, according to the averaging period, if any, specified in the permit. If no averaging period is specified in the permit, then any monitored reading is considered a deviation to be reported. Deviations are reported regardless of whether they may have caused excess emissions or whether they were the result of a malfunction.

The period covered by the report is from ____/____/_____ to ____/____/_____.

During the reporting period:

☐ No deviations from permit requirements occurred during this semi-annual reporting period. (We conducted all required monitoring and associated record keeping and reporting. Required monitoring revealed no deviations from permit requirements.)

☐ We failed to conduct required monitoring/record keeping/reporting as explained on the attached form.

☐ We identified deviations as a result of required monitoring:

- ☐ Deviations were addressed in CEM Excess Emission Report(s) dated: _____
- ☐ Deviations were addressed in Fuel Report(s) dated: _____
- ☐ Deviations were addressed in MACT Report(s) dated: _____
- ☐ Deviations due to malfunctions were addressed in letters dated: _____
- ☐ Deviations were addressed in other report(s) dated: _____

  Type of report:_____
- ☐ Deviations were previously described in Prompt Deviation Reports dated:

  _____ _____ _____ _____ _____

  _____ _____ _____ _____ _____
- ☐ "Other" deviations, which were not previously reported, are described in the attachment.

Certification: I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who mange the system, or those persons directly responsible for gathering and evaluating the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

_____ _____

(*Signature)* *(Name & Title)*

FAILURE TO MONITOR, KEEP RECORDS OR REPORT

Registration No. _____

Page _____ of _____

Submitted as Part of Semi-Annual Monitoring Report

Permit Condition No. & DESCRIPTION OF REQUIREMENT	DESCRIPTION OF DEVIATION (including date)	REASON FOR DEVIATION & CORRECTIVE ACTION

Annual Compliance Certification Registration No. _______________ Page ______ of _______

Cond. No.	TERMS & CONDITIONS CONTAINED IN THE PERMIT *(list in order)*	MEANS OF DETERMINING COMPLIANCE STATUS	TYPE OF DATA THE MEANS PROVIDES	PERIODS OF NON-COMPLIANCE
			☐ **Continuous** ☐ **Intermittent**	☐ **Yes** ☐ **No**
			☐ **Continuous** ☐ **Intermittent**	☐ **Yes** ☐ **No**
			☐ **Continuous** ☐ **Intermittent**	☐ **Yes** ☐ **No**
			☐ **Continuous** ☐ **Intermittent**	☐ **Yes** ☐ **No**
			☐ **Continuous** ☐ **Intermittent**	☐ **Yes** ☐ **No**
			☐ **Continuous** ☐ **Intermittent**	☐ **Yes** ☐ **No**
			☐ **Continuous** ☐ **Intermittent**	☐ **Yes** ☐ **No**
			☐ **Continuous** ☐ **Intermittent**	☐ **Yes** ☐ **No**

Form approved for use 9/18/00

“OTHER” DEVIATIONS

Registration No. _____ **Page _____ of _____**

Submitted as Part of Semi-Annual Monitoring Report

Condition No. & Description of Requirement	**Description of Deviation** (time, emission unit, description of event, cause)	**Description of Associated Monitoring Requirement**	**Description of corrective measures taken (*demonstrating a timely & appropriate response*)**

(Report deviations which may have caused excess emissions for more than one hour on a deviation report form, not here.